

AVVISO DI CONFERENZA

Il giorno **28 Giugno ore 10.00**, in **Aula Lucchesi**,
il prof. **Stephen G. Evans**

(Natural Disaster Systems, Department of Earth & Environmental Sciences,
University of Waterloo, Canada),
terrà una conferenza dal titolo

“OBSERVATIONS ON EARTHQUAKE- TRIGGERED LANDSLIDE EVENTS”



The 1985 North Nahanni rockslide, N.W.T., Canada.

Summary: The presentation will examine five aspects of earthquake-triggered landslide events. First, the 2008 Daguangbao rockslide (China), triggered by the Great Wenchuan Earthquake will be discussed. The rockslide is a gigantic (~1 Gm³) wedge failure. Second, a UDEC analysis of the North Nahanni rockslide (triggered by the 1985 North Nahanni Earthquake, N.W.T., Canada) will be presented and the results discussed. Third, the Khait rock avalanche (triggered by the 1948 Khait earthquake, Tajikistan) and related loess flows will be described with an emphasis on entrainment. Fourth, recent work on the 1970 Huascarán mass flow (triggered by the 1970 Peru earthquake in the Central Andes) will highlight the counter-intuitive energetics of entrainment. Lastly, the magnitude and frequency of earthquake-triggered rock slope failures worldwide will be compared to non-seismically triggered events and the implications for hazard assessment will be examined.

